

CLAIMS

What Is Claimed Is:

- 5 1. Method for treating a cytopathological disease in a mammal, comprising:
- (a) harvesting a biological specimen containing stem
- cells from the body of a donor;
- (b) storing at least a part of said biological specimen that contains
- stem cells for a predetermined period time without being re-infused back into the donor;
- 10 (c)
- reintroducing at least a portion of said stored part of the biological
- specimen containing stem cells in therapeutic amount in the donor after the
- predetermined period of time and after said donor is diagnosed with a
- cytopathological illness or damaged tissue in need of rejuvenation, wherein said
- 15 re-introduced specimen is not purged prior to re-infusion.
2. The method according to claim 1, wherein said biological specimen
- containing stem cells comprises peripheral blood.
- 20 3. The method according to claim 1, wherein said stem cells comprise adult
- hematopoietic stem cells.
4. The method according to claim 1, further including a step of introducing a
- stem cell growth stimulating agent into the donor prior to the harvesting in a manner
- 25 effective to increase the population of the stem cells in the peripheral blood of the donor
- before harvesting the specimen.
5. The method according to claim 1, wherein said biological specimen
- containing stem cells comprises bone marrow.
- 30 6. The method according to claim 1, wherein said cytopathological illness is
- cancer, and further including a step between (b) and (c) of subjecting said donor to a

treatment regimen selected from the group consisting of chemotherapy or radiotherapy.

7. The method according to claim 1, wherein said cytopathological illness
comprises an infectious disease that attacks and damages blood and/or bone marrow
5 cells.

8. The method according to claim 1, wherein said cytopathological illness
comprises HIV.

10 9. The method according to claim 1, wherein said cytopathological illness
comprises terminal radiation or chemical overexposure poisoning.

10. The method according to claim 1, wherein said reintroducing step
comprises providing tissue and/or organ restoration by inoculating said tissue and/or
15 organ with specially conditioned stem cells present in the harvested biological specimen
containing stem cells.

11. The method according to claim 1, wherein said cytopathological illness
comprises a neurological disorder.
20

12. The method according to claim 1, wherein said neurological disorder is
selected from the group consisting of Alzheimer's disease and Parkinson's disease.

13. The method according to claim 1, wherein said cytopathological illness
25 comprises a liver disease.

14. The method according to claim 1, wherein said cytopathological illness
comprises diabetes.

30 15. The method according to claim 1, wherein said cytopathological illness
comprises a thyroid gland disorder.

16. The method according to claim 1, wherein said harvesting comprises making one or more insertions of a syringe means into the donor's hip or pelvic bone to extract bone marrow as said biological specimen containing stem cells.

5

17. The method according to claim 1, wherein said storing comprises cryopreservation.

10 18. The method according to claim 1, wherein said mammal comprises a human.

19. Method for restoring damaged and/or deteriorated tissue in a mammal, comprising:

15 (a) harvesting a biological specimen containing stems cells from peripheral blood of the body of a donor;

(b) cryopreserving and storing at least a part of said biological specimen that contains stem cells for a predetermined waiting period without being re-infused back into the donor;

20 (c) reintroducing at least a portion of said stored part of biological specimen that contains stem cells in therapeutic amount in the donor after the donor the predetermined period of time and after said donor has been diagnosed as having a damaged and/or deteriorated tissue condition, wherein said re-introduced specimen is not purged prior to the re-infusion.

25

20. The method according to claim 19, wherein said stem cells comprise adult hematopoietic stem cells.

30

21. The method according to claim 19, further including a step of introducing a

stem cell growth stimulating agent into the donor prior to the harvesting in a manner effective to increase the population of the stem cells in the peripheral blood of the donor before harvesting the specimen. .

5 22. The method according to claim 19, wherein said damaged or deteriorated condition comprises an anatomical system of the mammal selected from the group consisting of damaged or deteriorated hematological system tissues, damaged or deteriorated immune system tissues, damaged or deteriorated muscular system tissues, damaged or deteriorated neurological system tissues, a damaged or deteriorated
10 cardiovascular system tissues, damaged or deteriorated renal system tissues, damaged or deteriorated lymphatic system tissues, damaged or deteriorated liver tissues, deteriorated dermatological system tissues, damaged or deteriorated reproductive system tissues, individually or in combination.

15

 23. The method according to claim 19, wherein the predetermined waiting period is at least 12 months.

20

 24. The method according to claim 19, wherein the predetermined waiting period is at least about 60 months.

 25. The method according to claim 19, wherein said mammal comprises a
25 human.

 26. Method for rejuvenating a chronically fatigued mammal, comprising:
 (a) harvesting a biological specimen containing stems cells
 from peripheral blood of the body of a donor;
30 (b) cryopreserving at least a part of said biological specimen that
 contains stem cells for a predetermined waiting period without being re-infused back into

the donor;

- (c) reintroducing at least a portion of said stored part of biological specimen that contains stem cells in therapeutic amount in the donor after the predetermined period of time and after said donor has been diagnosed as having a chronic fatigue condition, wherein said re-introduced specimen is not purged prior to the re-infusion.

10

27. The method according to claim 26 wherein said stem cells comprise adult hematopoietic stem cells.

28. The method according to claim 26, further including a step of introducing a stem cell growth stimulating agent into the donor prior to the harvesting in a manner effective to increase the population of the stem cells in the peripheral blood of the donor before harvesting the specimen.

20

29. The method according to claim 26, wherein said fatigued condition comprises an anatomical system of the mammal selected from the group consisting of a fatigued hematopoietic system, a fatigued immune system, a fatigued muscular system, a fatigued neurological system, a fatigued lymphatic system, individually or in combination.

30. The method according to claim 26, wherein said mammal comprises a human.

31. The method according to claim 26, wherein the predetermined waiting period is at least 12 months.

5 32. The method according to claim 26, wherein the predetermined waiting period is at least about 60 months.